

CeraSleeve®

Sustainable Paper Coatings

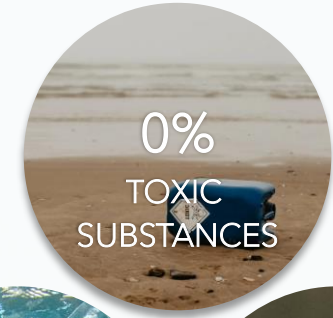
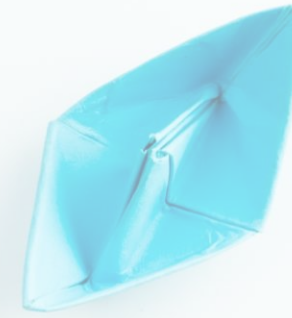
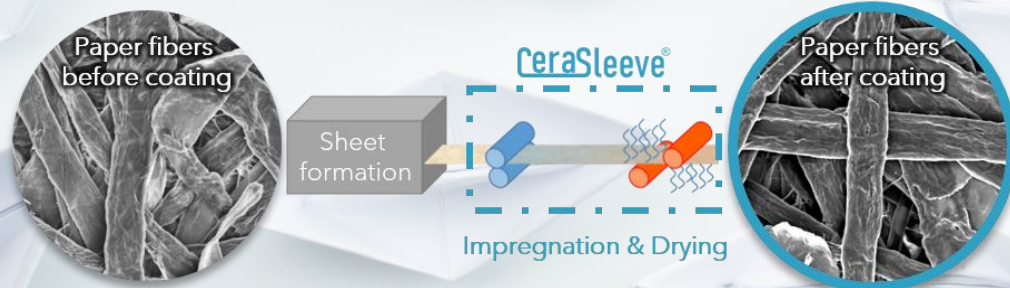
OUR TECHNOLOGY

Today, many paper products are hardly recyclable due to functional additives or their coating with plastic films.

With our patented circular material innovation CeraSleeve®, we solve this problem with a readily available, inexpensive and completely harmless substance. CeraSleeve® is a coating process that provides paper with wet strength or water-repellent properties through an ultra-thin silica layer.

In contrast to conventional wet strength agents and polyethylene foils, our innovative technology distinguishes itself by a proven recyclability of the produced paper, allowing for full fibre recovery.

CeraSleeve® is nature-based, avoids fossil raw materials and poses no risk to humans, animals, and the environment.

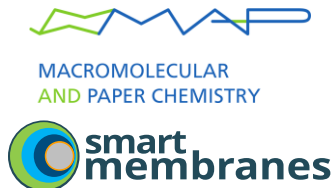


BENEFITS

- **Efficiency gains**
Reduction of production waste rate and total waste volume.
- **Cost cuts**
Reduction of waste water load and costly treatment of contaminated water.
- **Release of regulatory pressure**
Fully compliant with SUPD and EU-directive 2018/75.

Get in touch:

Dr. Mathias Stanzel
+49 6151 16-21581
mathias.stanzel@tu-darmstadt.de



Supported by:



on the basis of a decision by the German Bundestag